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(FILE 'HOME' ENTERED AT 15:58:11 ON 06 OCT 2006)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, JAPIO' ENTERED AT 15:58:28 ON 06
OCT 2006

L1 45 S (CYTOKINE DETECTION) AND REVIEW
L2 35 DUPLICATE REMOVE L1 (10 DUPLICATES REMOVED)
L3 19 S L2 AND PD<2001
L4 1 S L3 AND ION?

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ANSWER 14 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:99778 CAPLUS

DN 118:99778

ED Entered STN: 19 Mar 1993

TI Detection of cytokine receptors by high-sensitivity immunofluorescence/flow cytometry

AU Zola, Heddy; Flego, Loretta; Sheldon, Anne

CS Flinders Med. Cent., Bedford Park, 5042, Australia

SO Immunobiology (1992), 185(2-4), 350-65

CODEN: IMMND4; ISSN: 0171-2985

DT Journal; General Review

LA English

CC 15-0 (Immunochemistry)

AB A review and discussion with 58 refs. Cytokines have profound effects on cells, and act through receptors that need only be at low concns. to transmit activation signals. The detection of such low concns. is possible using monoclonal antibodies and fluorescence/flow cytometry, but only by using specialized techniques. The best results so far have been obtained using biotinylated second antibody followed by phycoerythrin-streptavidin. Anal. of the fluorescence is best done using 546 nm excitation from a mercury arc lamp, but 512 nm excitation from an argon-ion laser can also be used. With appropriate alignment, instruments with 488 nm fixed-wavelength lasers can give sensitivity almost as good as the 546 nm system. Background staining can be reduced to acceptable levels by blocking the 2 major mechanisms for non-specific binding. Applications of these methods to the detection of cytokine receptors on normal and malignant cells are reviewed.

ST review cytokine receptor detection immunofluorescence cytometry

IT Receptors

RL: ANT (Analyte); ANST (Analytical study)

(cytokine, detection of, by high-sensitivity

immunofluorescence flow cytometry)

IT Immunoassay

(immunofluorescence flow cytometry, cytokine receptors detection in)

IT Lymphokines and Cytokines

RL: ANT (Analyte); ANST (Analytical study)

(receptors, detection of, by high-sensitivity immunofluorescence flow cytometry)

ANSWER 9 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:814748 CAPLUS
DN 123:225273
ED Entered STN: 27 Sep 1995
TI Detection of human cytokines in situ using antibody and probe based methods
AU Hoefakker, Saskia; Boersma, Wim J. A.; Claassen, Eric
CS Division of Immunological and Infectious Diseases, TNO Prevention and Health, Leiden, Neth.
SO Journal of Immunological Methods (1995), 185(2), 149-75
CODEN: JIMMBG; ISSN: 0022-1759
PB Elsevier
DT Journal; General Review
LA English
CC 15-0 (Immunochemistry)
AB A review, with 159 refs. The authors discuss a few typical examples of methods for the detection of human cytokines in tissue sections using antibody as well as the probe based methods.
ST review cytokine detection antibody probe
IT Lymphokines and Cytokines
RL: ANT (Analyte); ANST (Analytical study)
(detection of human cytokines in situ using antibody and probe based methods)
IT Antibodies
RL: ARG (Analytical reagent use); ANST (Analytical study); USES (Uses)
(detection of human cytokines in situ using antibody and probe based methods)

ANSWER 11 OF 19 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:472742 CAPLUS
DN 122:237070
ED Entered STN: 08 Apr 1995
TI Cytokine analysis in cells
AU Mire-Sluis, Anthony R.; Wadhwa, Meenu; Bird, Christopher R.; Cavallo, M.
Gisella; Randall, Lisa A.; Thorpe, Robin
CS NIBSC, Hertfordshire, EN6 3QG, UK
SO Methods Immunol. Anal. (1993), Volume 3, 540-56. Editor(s):
Masseyeff, Rene F.; Albert, Winfreid H.; Staines, Norman A. Publisher:
VCH, Weinheim, Germany.
CODEN: 58YTAQ
DT Conference; General Review
LA English
CC 15-0 (Immunochemistry)
AB A review with 28 refs. discussing cytokine anal. in cell exts.
and individual cell and detection of cytokine mRNA.
ST cytokine detection review
IT Lymphokines and Cytokines
RL: ANT (Analyte); ANST (Analytical study)
(cytokine anal. in cells)